



Complete Summary

TITLE

Acute pharyngitis: percentage of patients with a strep screen that have viral upper respiratory infection (VURI) symptoms.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients with a strep screen that have viral upper respiratory infection (VURI) symptoms.

RATIONALE

The priority aim addressed by this measure is to reduce testing of patients for group A beta streptococcal (GABS) pharyngitis who present with concomitant viral upper respiratory infection (VURI) symptoms.

PRIMARY CLINICAL COMPONENT

Acute pharyngitis; viral upper respiratory infection (VURI); strep screen (rapid strep test [RST], strep throat culture [STCX])

DENOMINATOR DESCRIPTION

Number of patients who underwent strep screening as identified by the Current Procedure Terminology (CPT) codes 86403-86406, 86588

NUMERATOR DESCRIPTION

Number of patients who underwent strep screening which resulted in a diagnosis of viral upper respiratory infection (VURI) as identified by the following International Classification of Diseases, Ninth Revision (ICD-9) code: 465.9

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Acute pharyngitis.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 3 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

After viral upper respiratory infection (VURI) and otitis, acute pharyngitis and/or tonsillitis is the third most common illness diagnosed by United States (U.S.) pediatricians.

EVIDENCE FOR INCIDENCE/PREVALENCE

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Rheumatic fever is a nonsuppurative complication of group A beta streptococcal (GABS) pharyngitis. The risk of developing rheumatic fever is about 3% under epidemic conditions and approximately 0.3% under endemic conditions.

EVIDENCE FOR BURDEN OF ILLNESS

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

UTILIZATION

Throat complaints account for more than 19 million clinic visits each year.

EVIDENCE FOR UTILIZATION

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patients with a strep screen

Identify patients with either a rapid strep test (RST) or strep throat culture (STCX). Some medical groups will be able to identify the population of patients through patient computer records.

The medical record of each patient is reviewed to determine if the patient had viral upper respiratory infection (VURI) symptoms.

The suggested time period for data collection is a calendar month.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients who underwent strep screening as identified by the Current Procedure Terminology (CPT) codes 86403-86406, 86588

Exclusions
Unspecified

DENOMINATOR (INDEX) EVENT

Diagnostic Evaluation

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients who underwent strep screening which resulted in a diagnosis of viral upper respiratory infection (VURI) as identified by the following International Classification of Diseases, Ninth Revision (ICD-9) code: 465.9

Exclusions
Unspecified

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a lower score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percentage of patients with a strep screen that have VURI symptoms.

MEASURE COLLECTION

[Acute Pharyngitis Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 May

REVISION DATE

2005 May

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 May. 27 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of patients with a strep screen that have VURI symptoms," is published in "Health Care Guideline: Acute Pharyngitis." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org.

NQMC STATUS

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